## **CLAIMS**

1	1.	A locking apparatus that is releasably securable within a landing nipple of a tubing string,
2	the locking apparatus comprising:	
3		a tool housing with an associated inner mandrel;
4		a locking member that is radially moveable with respect to the tool housing, the locking
5	member being selectively disposable into a landing nipple receptacle to secure the locking	
6	apparatus within the tubing string;	
7		a packing seal retained upon the inner mandrel, the packing seal being axially
8	compressible; and	
9		a compression member associated with the tool housing for selective axial compression
10	of the packing seal to urge the packing seal into sealing engagement with the tubing string.	
1	2.	The locking apparatus of claim 1 wherein the tool housing is interconnectable with well
2	control tools.	
1	3.	The locking apparatus of claim 1 wherein the compression member is actuated to
2	compress the packing seal by axially translating the inner mandrel with respect to the tool	
3	housing.	
1	4.	The locking apparatus of claim 1 wherein the packing seal comprises a chevron packing
2	seal member.	

17

- The locking apparatus of claim 1 wherein the packing seal comprises a multiple chevron
  seal members in a stacked configuration.
- 1 6. The locking apparatus of claim 1 further comprising a locking dog cage and wherein the
- 2 locking member comprises a locking dog that is urged radially outwardly through a slot in the
- 3 locking dog cage.
- 1 7. The locking apparatus of claim 6 wherein the compression member comprises a ram end
- 2 of the locking dog cage.
- 1 8. The locking apparatus of claim 1 wherein the packing seal comprises a dynamic seal
- 2 assembly.
- 1 9. A locking apparatus that is releasably securable within a landing nipple of a tubing string,
- 2 the locking apparatus comprising:
- a tool housing with an associated inner mandrel;
- a locking member that is radially moveable with respect to the tool housing, the locking
- 5 member being selectively disposable into a landing nipple receptacle to secure the locking
- 6 apparatus within the tubing string;
- 7 a packing seal retained upon the inner mandrel, the packing seal being axially
- 8 compressible;
- 9 a compression member associated with the tool housing for selective axial compression
- 10 of the packing seal to urge the packing seal into sealing engagement with the tubing string; and

274-26393-US 18

11 a locking dog cage and wherein the locking member comprises a locking dog that is 12 urged radially outwardly through a slot in the locking dog cage. 1 10. The locking apparatus of claim 9 wherein the compression member is actuated to 2 compress the packing seal by axially translating the inner mandrel with respect to the tool 3 housing. 1 11. The locking apparatus of claim 9 wherein the packing seal comprises a chevron packing 2 seal member. 1 12. The locking apparatus of claim 9 wherein the packing seal comprises a multiple chevron 2 seal members in a stacked configuration. 1 13. The locking apparatus of claim 9 wherein the packing seal comprises a dynamic seal 2 assembly. 1 14. The locking apparatus of claim 9 wherein the compression member comprises a ram end 2 of the locking dog cage. 1 15. A method of securing a locking apparatus within a tubing string comprising the steps of: 2 disposing the locking apparatus within a tubing string to a location adjacent a landing

274-26393-US 19

3

nipple;

- moving a locking member radially outwardly from the locking apparatus and into locking engagement with a landing nipple receptacle; and
- axially compressing a packing seal on the locking apparatus to urge the packing seal
  radially outwardly into sealing engagement with the tubing string.
- 1 16. The method of claim 15 further comprising the step of securing the locking apparatus to
- 2 at least one well control tool prior to disposing the locking apparatus in the tubing string.

274-26393-US 20